



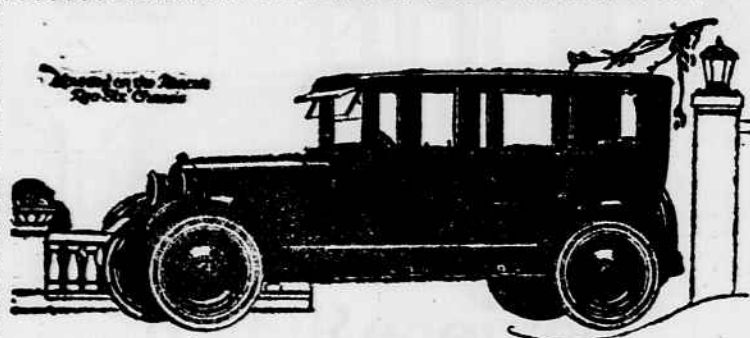
"The Standard of Comparison"

Buick value does not result from a discovery of recent date. It goes back to the first Buick, to the recognition at the beginning of the correctness of certain fundamental principles and to an unwavering fidelity to those principles all through the years.

Stanley H. Horner

Retail Dealer

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Just Received
Several Shipments of the New
Reo 5 Passenger Sedan

\$2095

Delivered in Washington.

Including the following equipment: Extra rim, tire and tube, tire cover, bumper, motor, lock, step plates, sun visor, windshield wiper and full tank of gasoline.

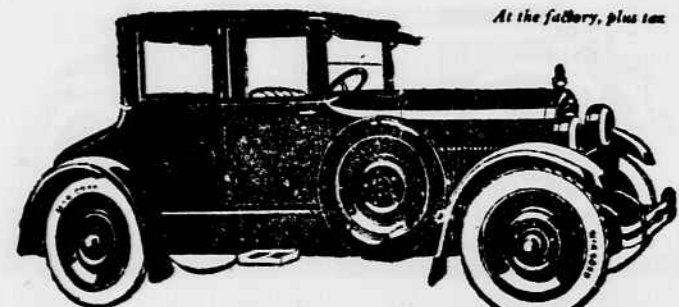
The Trew Motor Company

14th and T Streets
(Temporary Location)
Main 4173

Look 'Em Over!

Style?—no end of it in these new Davis models! And they can step along the road, or loaf in traffic with ANY 'em.

Rine Motor Sales Co.,
1612 14th Street



"Built of the Best"
THE COUPE
\$1795

At the factory, plus tax

The Sunday Motorist

An Abridged Magazine for Car Owners.

EDITED BY WILLIAM ULLMAN

Taking friends out to show them how well your car runs is a sure method of bringing out all the car's faults.

What of the New Year?

Students of the automotive business in America predict 1923 will be a very interesting year. Competition has reached a point where new improvements in manufacturing, design and marketing have to be made in quick succession, and no one seems to know just how far this sort of rivalry among the manufacturers can go. Furthermore, no one seems to know where the business came from in 1922. The year was one of spectacular failures and enormous successes. Some old standbys dropped out, while others enjoyed the greatest sales in their history. Judging from the number of cars some factories were able to turn out, and sell, the dealers were not faced with the great problems which were predicted this time a year ago. If history repeats itself 1923 should be another banner year, but no one seems to know whether history is due for an encore.

The trouble is, no one seems to know why 1922 was a big year generally. Surely it was not due to any wonderful methods of marketing. The motorist got more for his dollars than ever before, but he was always confronted by the problem of sacrificing his old car. Many motorists did not buy new cars on that account. Business was not any too prosperous for the average man, yet about two-thirds of the cars sold in 1922 it is said that more sales were for cash than ever before.

Where did the trade come from? Was it a new source or merely the reawakening of the buying power which was dormant following the war? Has this power spent itself, or has it just blown off a little steam? Who will capture the bulk of this buying power in 1923, and why? It is an interesting matter to mull over during the dull days of midwinter, and it is pretty good evidence that no matter what happens during 1923 along automobile row, the year will be an interesting one—particularly to the motorist, since he is the one who profits or suffers in the long run.

Taxing the Imagination.

The sales tax regulations of the Treasury Department say a radiator emblem on an automobile is an accessory, and taxable as such under the internal revenue act. A national motor organization contends that an emblem furnished members is merely a membership card—or prima facie evidence of membership—and will ask, in the name of affiliates, that throughout the country the 5 per cent tax be eliminated.

Motorists have a definite interest in the outcome of the organization's argument which will be heard by the solicitor of internal revenue, for it means that the savings in taxes which in some cases amounts to as much as \$1,000, would be applied to the direct interest of motorists.

Under the sales tax section of the law the term "accessory" is included, and the regulations as drawn hold that a radiator emblem comes within this category. If that is the case, then why is not the emblem of a fraternal order, if so arranged as to be attached to a radiator, held to be an accessory taxable under the act? The whole ruling seems to tax the imagination to the extent that auto clubs are being asked to meet an unfair and unnecessary expense. Let us hope that the brief which has been filed setting forth the contentions of automobile owners will result in the rendering of a decision favorable to the clubs which are making every effort to improve motoring conditions, and which need every encouragement financially.

Another Motor Need.

Another needed adjunct to motoring is something to stop 50 per cent of the drivers and tell them that their stop lights are not working.

Double-Bar Bumpers.

Double bar bumpers are good looking, but that's not the strongest point in their favor by any means. It is coming to be the thing to equip cars with bumpers front and rear, and as cars vary widely in size and frame construction, the bumper on the front of one car may be five inches higher than the one on the rear of another. Should these cars collide their bumpers would be "from wheels" from the point of protection. While it is not possible to provide for every possible contingency in this connection, the double, or triple, bar bumper is 100 per cent more effective as a protector of the car. Your new car should have this type.

Puzzling Vibration.

That strange vibration a driver hears when passing another car on a hill is known as "frictionless horse" and is very puzzling. It is almost always easy to explain. In passing another car on a hill it will often seem as though the car is running unevenly. Sometimes the drivers are conscious of the presence of a firing order which is almost uncanny. It has been known to frighten motorists of exceptionally keen hearing. What really happens is that the driver is becoming conscious of a compound firing of the two motors, which, being out of tune, each other result in free vibrations. It is particularly noticeable when a six-cylinder passenger car exhaust is heard at the same time with that of a four-cylinder truck.

Beware of Friction!

How many motorists realize the danger of engine power which is directly due to friction? And how many appreciate the fact that a motor wastes a lot of its power driving itself? The automotive engineer recognizes that the engine power which is wasted in its own operation. Friction is consumed in the connecting rod and main bearings, in timing gears, the crankshaft, the valves, the camshaft and the fan. This last item alone consumes about two horsepower, and while the importance of oiling the fan bearing regularly is evident, oiling the valves regularly will help to cut down on the engine's friction, and the use of the proper grade of engine oil is, of course, obvious.

One point where engine friction is unusually high and constant is on those surfaces where pistons press against the cylinder walls when traveling downward on the power stroke. Friction is heavy enough in summer to stand the heat at this point and oil that is light enough in winter to stand the cold. The motorist can minimize this variety of friction, except by better lubrication, by him to drop into "second" when climbing a steep hill rather than force a "high" gear.

An excellent way of measuring roughly the amount of power which is being consumed in overcoming friction is to run it at a speed equivalent to a car speed of about twenty-five miles an hour and disconnect the spark plug wires from as many cylinders as possible. In the case of a four-cylinder engine, will be found that the power of one cylinder is hardly sufficient to overcome the motor's friction and compression.

Two Parking Pointers.

Steering in and out of parking spaces is made easier by keeping the car pointed to the maximum. If, if the car is being used for city driving, with the well paved streets, even and tire will stand full pressure and may, perhaps, benefit by it. In rainy weather one should be careful not to park so close to the curb as to keep the right wheels standing in the water of the gutter. If the water is high enough to reach the rims, as it oftentimes is, water is likely to get into the shoe and rot the wheel felloe. A good idea is to hold that the rim splits apart or where the valve stem goes through the rim and water felloe. A water felloe is always provided to keep the valve stem watertight, but it is often loose or does not fit properly.

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PUBLIC DEMANDS INTERESTING AUTOS

Latest Developments in Exposition Spur to High-Class Manufacture.

An industrial exposition, to be successful, must have some educational value, else the public will not be interested, and success in these days is measured by financial return.

Up to now automobile shows attracted prospective buyers through the display of the latest developments in the industry. But intending purchasers now demand more than a mere look at a car about which they know little or nothing. They want to see something in connection with the automobile that will be of educational interest and serve an educational purpose.

The fourteenth annual motor show in Madison Square Garden, January 8 to 11, will serve a double purpose this year, besides the addition of interesting more than one hundred domestic and foreign exhibits of motor cars and accessories, it will have an educational value to those who attend the show.

Hitherto the national automobile show has catered only to the likely buyer. But at the motor show in the Garden there will be more than plain automobiles to be viewed by visitors. There will be displays of motor apparel, besides apparel to be worn in various sports that go hand-in-hand with the automobile—that is, one may don the sport clothes and reach the ground of play only by motor. There will be other displays of educational worth to the public that attend.

The latest productions in motor apparel will be seen in the style congress, which is being projected at a motor show for the first time by Manager William H. Willman. Live girl manikins will serve as models, and these girls will be recruited from a Broadway musical comedy by George White, the noted theatrical producer. This display will be an education in itself.

Among the other features of the motor show that will be an educational worth will be the greatest accessory store in the world. An entire section will be devoted to the display of exhibits by manufacturers who are unable to accompany their products to New York. Then, there will be a motor climbing competition, another educational turn, while among the meetings will be those of the National Association of Manufacturers, which promises to become the greatest single factor in the automotive industry, because of its massing of the ownership and operation of physicians' cars. However, as explained by Dr. Howard A. Sutton, the secretary of the organization, the national work is of considerable benefit, and, after reviewing the service possibilities of motor automobiles, they decided to enroll with the N. M. A.

Physicians' Club Joins N. M. A.

The Physicians' Motor Club of Philadelphia, an organization of 1,341 doctors, has decided to join the National Association of Motorists. The prime purpose of the local organization is to take care of special legislation affecting the ownership and operation of physicians' cars. However, as explained by Dr. Howard A. Sutton, the secretary of the organization, the national work is of considerable benefit, and, after reviewing the service possibilities of motor automobiles, they decided to enroll with the N. M. A.

Almost Every Night.

Film—Every dog has his day, you know. Flamm—Yes, and every cat has his night.

URGES STORING AUTO TWO MONTHS

Olds Engineer Outlines Precautions to Preserve Motor and Car.

In some parts of the country where the highways are not yet improved and where the weather is usually severe it may be advisable to lay up the car for a month or two, says R. K. Jack, chief engineer of the Olds motor works.

Before this is done certain precautions should be taken. The water should be thoroughly drained from the radiator and engine, after which the engine should be run under its own power until it becomes thoroughly heated. Do not run the engine very fast, but keep it going long enough to evaporate every particle of water that may be pocketed, in order to prevent water freezing and possibly bursting the water jackets. Great care should be exercised not to run the engine too long or too fast, as overheating will quickly cause damage.

Remove the Tires. It is desirable to remove the tires and place them in a dark room where they are not subjected to extreme temperature changes. The casings should be thoroughly cleaned to remove all oil which may have adhered to them. After removing the tires, thoroughly clean the inside of the wheel rims and apply a coat of enamel to prevent rust, which is very injurious to the fabric of the tire. If the tires are not removed, jack up the car so that the wheels clear the door entirely. Then let the air out of the tubes.

Remove the spark plugs and pour into each cylinder about two to three tablespoonsful of a very heavy grade of engine oil. Then replace the spark plugs and turn the engine over slowly by hand several times until the cylinder walls and pistons are thoroughly covered with this heavy oil.

Clean Inside of Car. If yours is a closed car with cloth upholstery, after thoroughly brushing the interior, clean with warm water and soap only. Gasoline has a tendency to spread any grease and leave a discolored spot. After cleaning, wipe dry with a clean cloth. In the case of an open car, be sure and brush the top off thoroughly to prevent any dust settling into it. Then clean the leather seats off thoroughly with lukewarm soap and water.

A good grade of grease or vaseline should then be taken and spread thinly over the nickel parts of the car to prevent rust and corrosion. This can easily be removed in the spring with a little gasoline.

The grease should be spread on all the instruments on the dash, the nickel controls and other parts which will be exposed during the winter.

AUTO GLASS

FOR WINDSHIELDS OR BODIES Installed While You Wait.
Taranto & Wasmann
1017 NEW YORK AVE. N.W.

will be exposed during the winter. As a precaution against fire or the settling of sediment, it is well for the owner to drain the gasoline from the car, but not the oil or grease in the various parts. Care should be taken to see that all steering joints and other working parts are thoroughly covered with grease and that all grease cups are filled and turned down.

It is also necessary that the storage battery be removed from the car and stored with a battery service station for the winter.

HIGHWAY SQUAD READY FOR MARYLAND SNOW

Any Downfall Can Be Coped With, Says Chairman of State Commission.

Special Dispatch to The Star. BALTIMORE, December 30.—John N. Mackall, chairman of the state roads commission, says that the snow-clearing equipment of the commission is ready to cope with any snowfall that might occur.

Men who will handle the equipment have been assigned to their work. They will be on the job all winter. They are expected to be ready to direct the work of snow removal in their districts.

This year the entire state roads system of 2,900 miles is expected to be kept clear. This work was undertaken in Maryland three winters ago.

By Mr. Mackall, the first year about 500 miles of the main highways being kept clear. Last year the work was extended to nearly the whole system. The big snowstorm of last winter was handled well. Although it required a couple of days to open the roads to traffic, they were passable long before the streets of most of the towns and cities of the state were opened.

This winter fifty snow plows and

fifty big trucks will be engaged in the work. Each plow and truck will be assigned to its own stretch of road and will go back and forth over that stretch so long as snow continues to fall.

Editor—We can't accept this poem. It isn't verse at all; merely an escape of gas. Aspiring Poet—Ah! I see; something wrong with the meter.—Medley.

DO NOT ACCEPT

a nameless product, for which you will pay just as much. Beware of cheap greases, that have no lubricating values. Insist upon getting EBNITE. It's the greatest aid to the proper performance of an automobile, a master lubricant for the transmission or differential gears.



EBONITE

—is a heavy-bodied oil. Recommended by automotive engineers. Beware of the "just as good kind." Go to a reliable garage, gasoline station, or accessory dealer, and you will find he has Ebnite in stock for you, in five and twenty-five pound cans, or at service stations, from the Ebnite checker board pump.

BAYERSON OIL WORKS.

Manufacturers, Pennsylvania Petroleum Products. MAKERS OF AUTOCAT MOTOR OILS.

BATTERIES and IGNITION



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Generators
Starters
Magnets
Armatures
Coils
Cutouts
Relays

We wish to announce to our patrons and the public that we are now equipped with modern testing machinery and competent mechanics for electrical trouble as well as battery service for your automobile. DRIVE IN. No charge for inspection. Work sent to us from out of town given prompt and careful attention. Charges reasonable. Bring or send your troubles to us and we will make you a satisfied customer. Give us a trial.

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In All Branches
G. E. HEISLEY,
Electrician

Lamps
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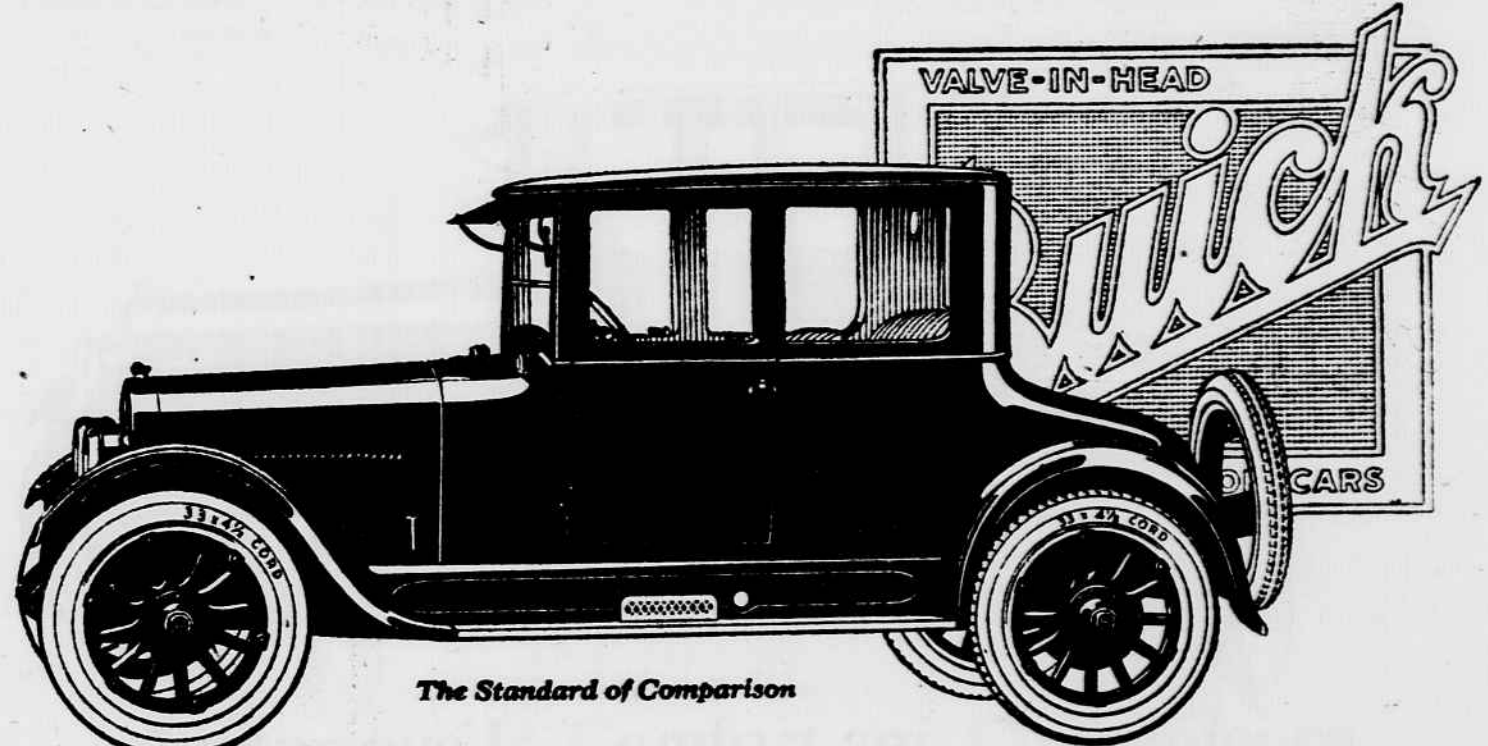
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The Standard of Comparison

Luxurious In Comfort and Convenience

Closed car comfort and driving convenience are perfectly assured in the luxurious Buick four-passenger six-cylinder coupe.

From the driver's seat, set forward and at a most restful angle, every control is at the finger's tip, while on the instrument board attractive dials record each function of the car. The large walnut steering wheel guides the car at its lightest movement through the improved Buick steering gear, and the long gear shift lever is reached without bending forward.

With a deep plush upholstered seat for two passengers and a comfortable folding seat for a third, with broad windows that raise and lower to any position, with floor heater, dome light and other refinements, this coupe is without a superior among fine closed cars.

BUICK MOTOR COMPANY, FLINT, MICHIGAN
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Pioneer Builders of Valve-in-Head Motor Cars
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When better automobiles are built, Buick will build them

For Winter Motoring

LIGHTNING

For a Happy New Year

Lightning

Make 1923 a Year Without Motor Troubles

A year of satisfactory motoring with big, sure power, prompt motor action regardless of weather conditions.

Shake off your motor worries—keep the carbon out of your cylinders. Get the 25 to 35% more mileage that Lightning gives.

Make This a Happy New Year—Use
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